CLAIMS:

1. A disk drive comprising a tray (TR) for receiving a disk, the tray (TR) being supported for movement between a first position within a casing (CS) of the disk drive and a second position projecting from the casing (CS), an electric motor for moving the tray (TR) between the first and second positions, and regulation means for regulating an electric current through the motor for regulating the rotation of the motor, characterized in that the regulation means comprises detection means for detecting a back-electromotive signal produced during rotation of the motor for deriving position information of the tray (TR) with respect to the first and second positions.

2. A disk drive according to claim 1, characterized in that the regulation means regulates the electric current through the motor such that, during movement of the tray (TR) in a direction from one of the first and second positions to the other one of the first and second positions, the rotation rate of the motor is gradually reduced when the position of the tray (TR) has reached the vicinity of the respective one of the first and second positions.

3. A method of moving a tray of a disk drive between a first and a second position under the control of an electric motor, characterized in that detection means detects a back-electromotive signal produced during rotation of the motor for deriving position information of the tray with respect to the first and second positions.

4. A method according to claim 3, characterized in that, when the tray moves in a direction from one of the first and second positions to the other one of the first and second positions, and when the position of the tray comes close to one of the first and second positions, the rotation rate of the motor is gradually reduced.